

*Application No. 10/074,048
Art Unit 2664*

*Docket No. 32178-178051
Customer No. 26694*

Amendments to the Drawings:

The attached replacement and annotated sheets of drawings include changes to Figs. 1-7, 9, 10 and 13-17. The changes to Figs. 1-7, 9, 10 and 13-17 add figure legends. The replacement drawing sheets submitted herewith replace the originally filed drawings and, to the best of the knowledge of the undersigned, include no new matter.

Attachments: **Replacement Sheets for Figs. 1-17**

Annotated Sheets Showing Changes to Figs. 1-17

REMARKS

By the present amendment, Figs. 1-7, 9, 10 and 13-17 have been changed to add legends thereto. Claims 1-63 remain pending in the present application. Claims 1 and 63 are independent claims. Applicant requests reconsideration and allowance in view of the foregoing amendments and the following remarks.

Drawings

1. The drawings are objected to because allegedly every element in Figs. 1-7, 9, 10 and 13-17 allegedly requires reference characters. Applicant has amended Figs. 1-7, 9, 10 and 13-17 by adding legends to clarify the drawings, and, to the best of the knowledge of the undersigned, include no new matter.

Allowed Claims

2. Applicant notes with appreciation the indication by the Office that claims 1-63 are allowed.

Conclusion

3. Applicant believes that a full and complete reply has been made to the outstanding *Ex parte Quayle* Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will

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expedite prosecution of this application, the Examiner is hereby invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment is respectfully requested.

April 13, 2006

Respectfully submitted,

By 
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MAS/TCS

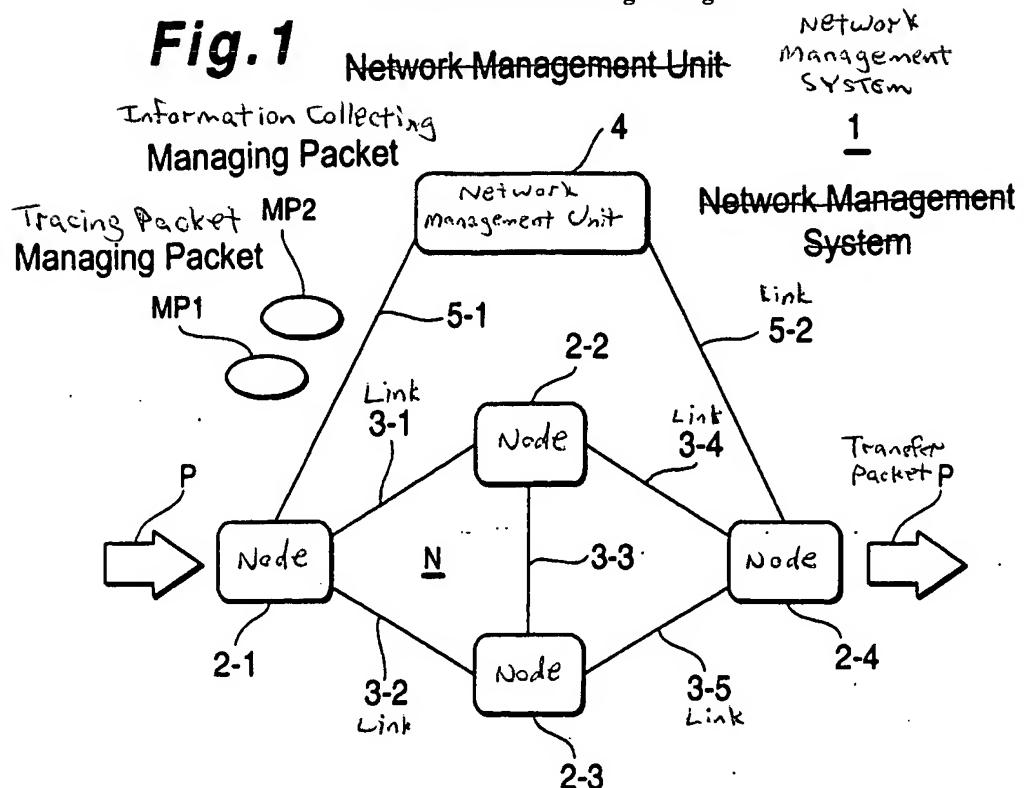
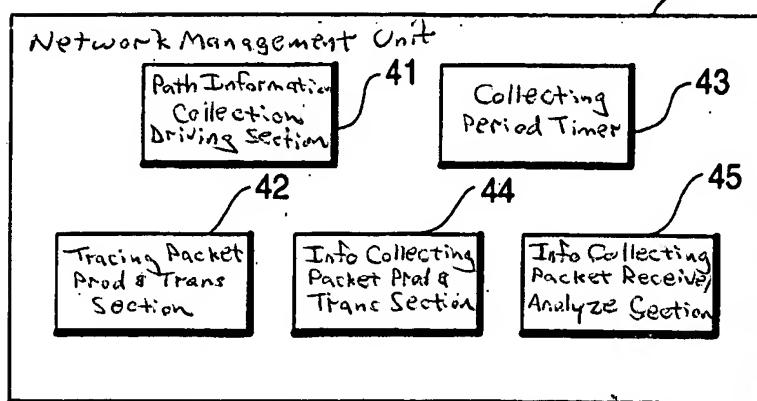
Fig. 1**Network Management Unit****Fig. 2****Network Management Unit 4**

Fig.3

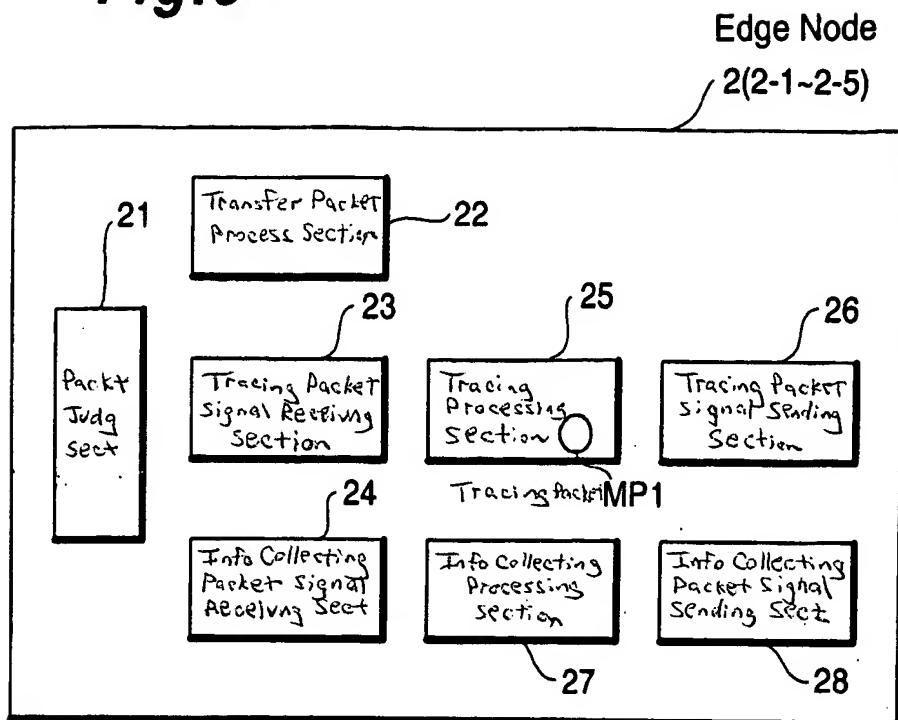


Fig.4

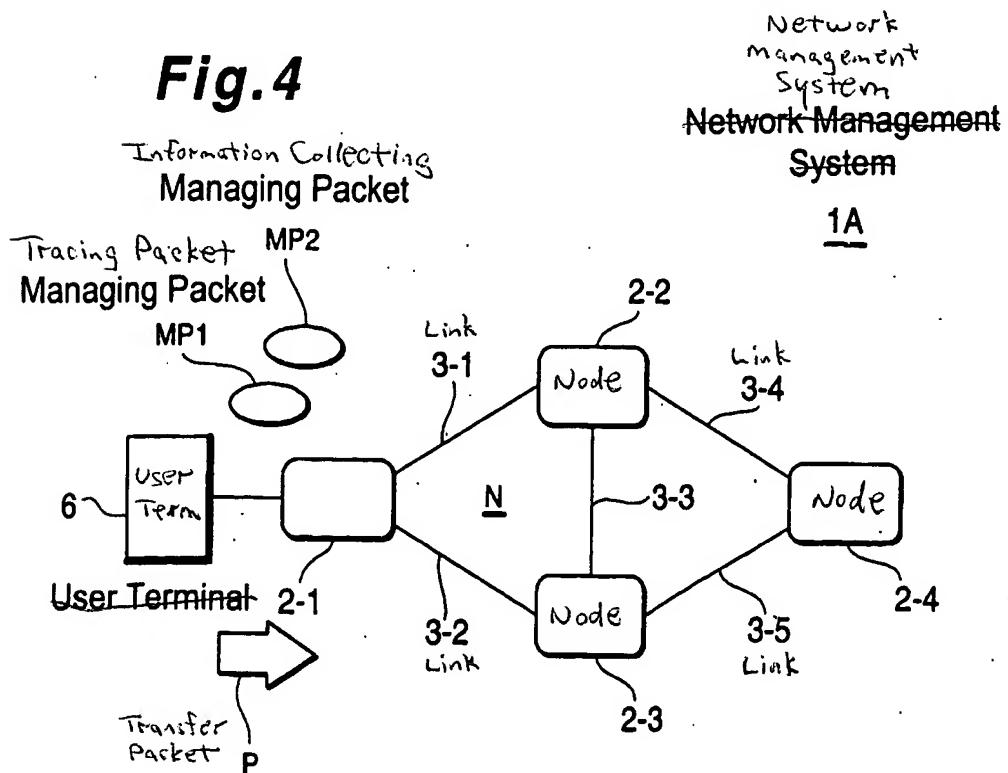
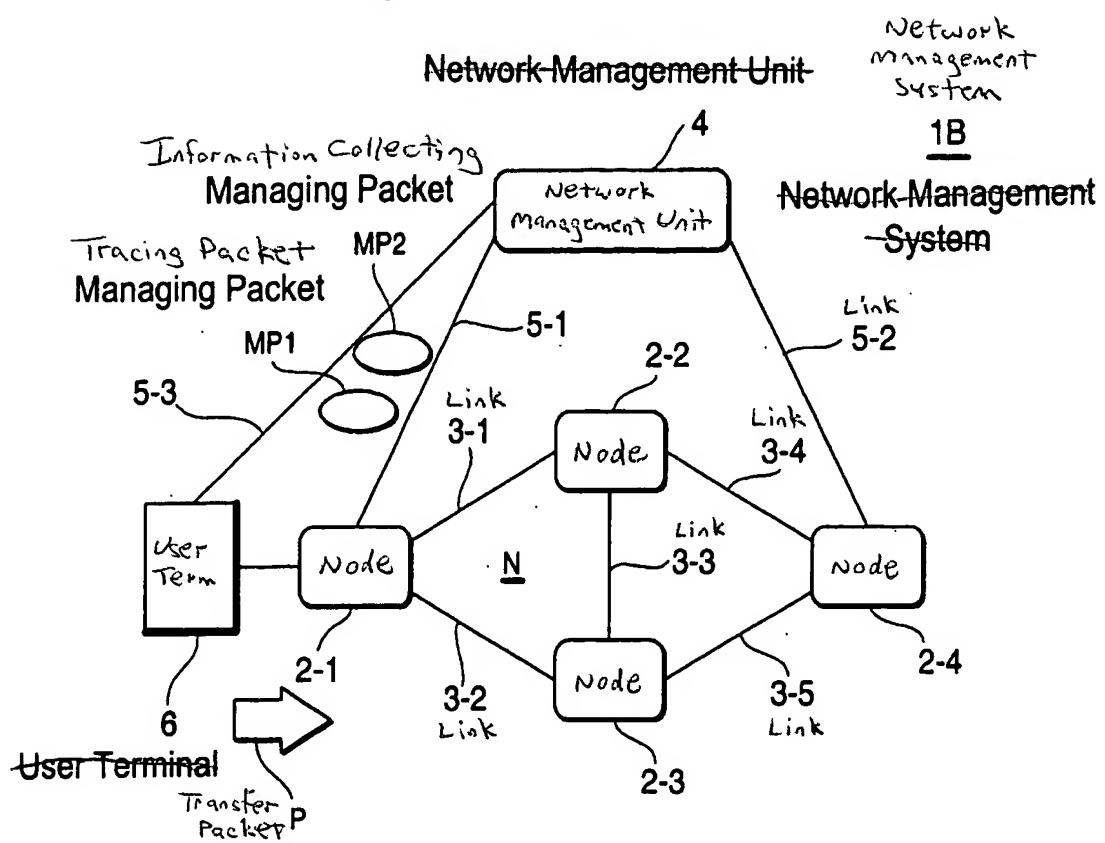


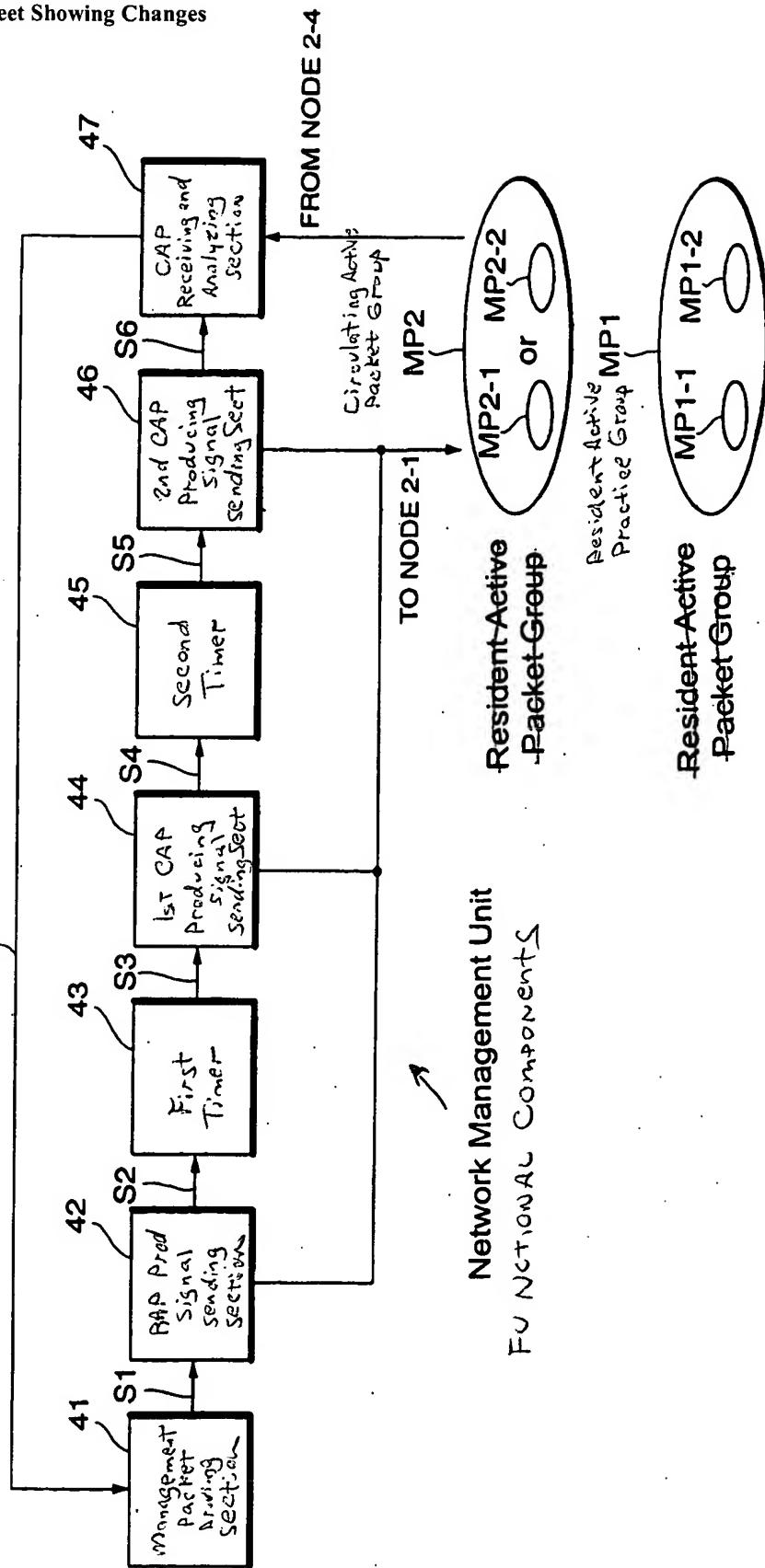
Fig. 5



Annotated Sheet Showing Changes

Fig. 6

S7

Key

MP1-1: Tracing Processing Packet

MP1-2: QoS Control Packet

MP2-1: Driving Packet

MP2-2: Information Collecting Packet

Fig. 7

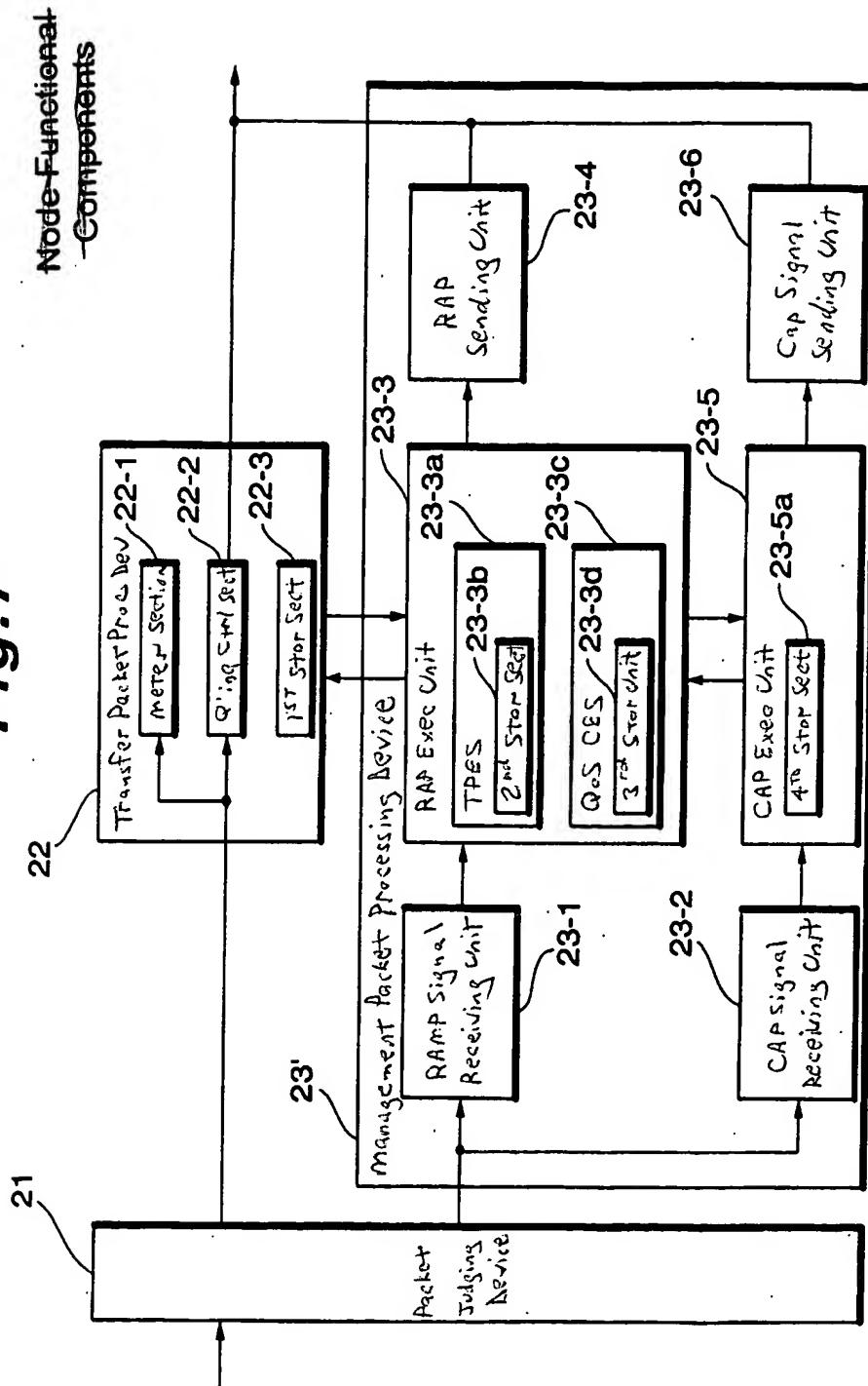
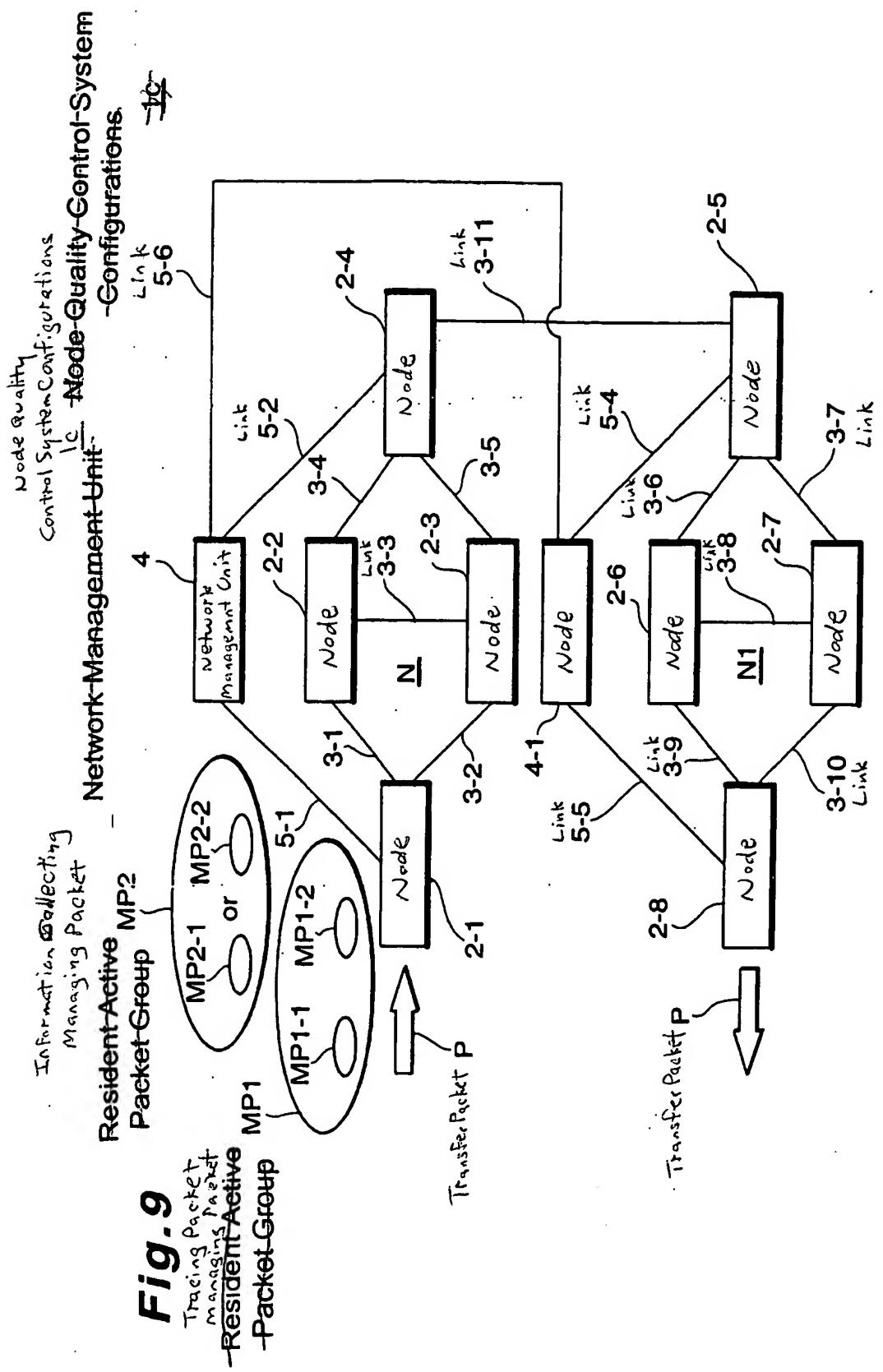


Fig. 8

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Confirmation No. 7590

Annotated Sheet Showing Changes

Class	~74	~75	~76	~77
Degree of importance	Class 4 Precedence: Emergency(100)	Class 3 Precedence: Urgency(Flash, Override, 100)	Class 2 Precedence: Immediacy(010) Priority(001)	Class 1 Precedence: Ordinary(000)
Degree of importance (High) ~71	Sender IP address: AAA (Low delay, high throughput) Order of transmitting 1, 31, 51 ~78	Transmission of four packets per one time transmission. Order of transmitting 2,5, 32,35, 52,55 ~79	Transmission of three packets per one time transmission. Order of transmitting 3,6,8, 33,36,38, 53,56,58 ~80	Transmission of two packets per one time transmission. Order of transmitting 4,7,9,10, 34,37,39,40, 54,57,59,60 ~81
Degree of importance (Middle) ~72	Sender IP address: CCC (High throughput) Order of transmitting 11, 41 ~82	Transmission of four packets per one time transmission. Order of transmitting 12,15, 42,45 ~83	Transmission of three packets per one time transmission. Order of transmitting 13,16,18, 43,46,48 ~84	Transmission of two packets per one time transmission. Order of transmitting 14,17,19,20, 44,47,49,50 ~85
Degree of importance (Low) ~73	Sender IP address: EEE (Ordinary) Order of transmitting 21 ~86	Transmission of four packets per one time transmission. Order of transmitting 22,25 ~87	Transmission of three packets per one time transmission. Order of transmitting 23,26,28 ~88	Transmission of one packet per one time transmission. Order of transmitting 24,27,29,30 ~89



Key

- MP1-1: Tracing Processing Packet
- MP1-2: Filtering Packet
- MP2-1: Tracing Processing Packet
- MP2-2: Information Collecting Packet

Node-Functional Components

Fig. 10

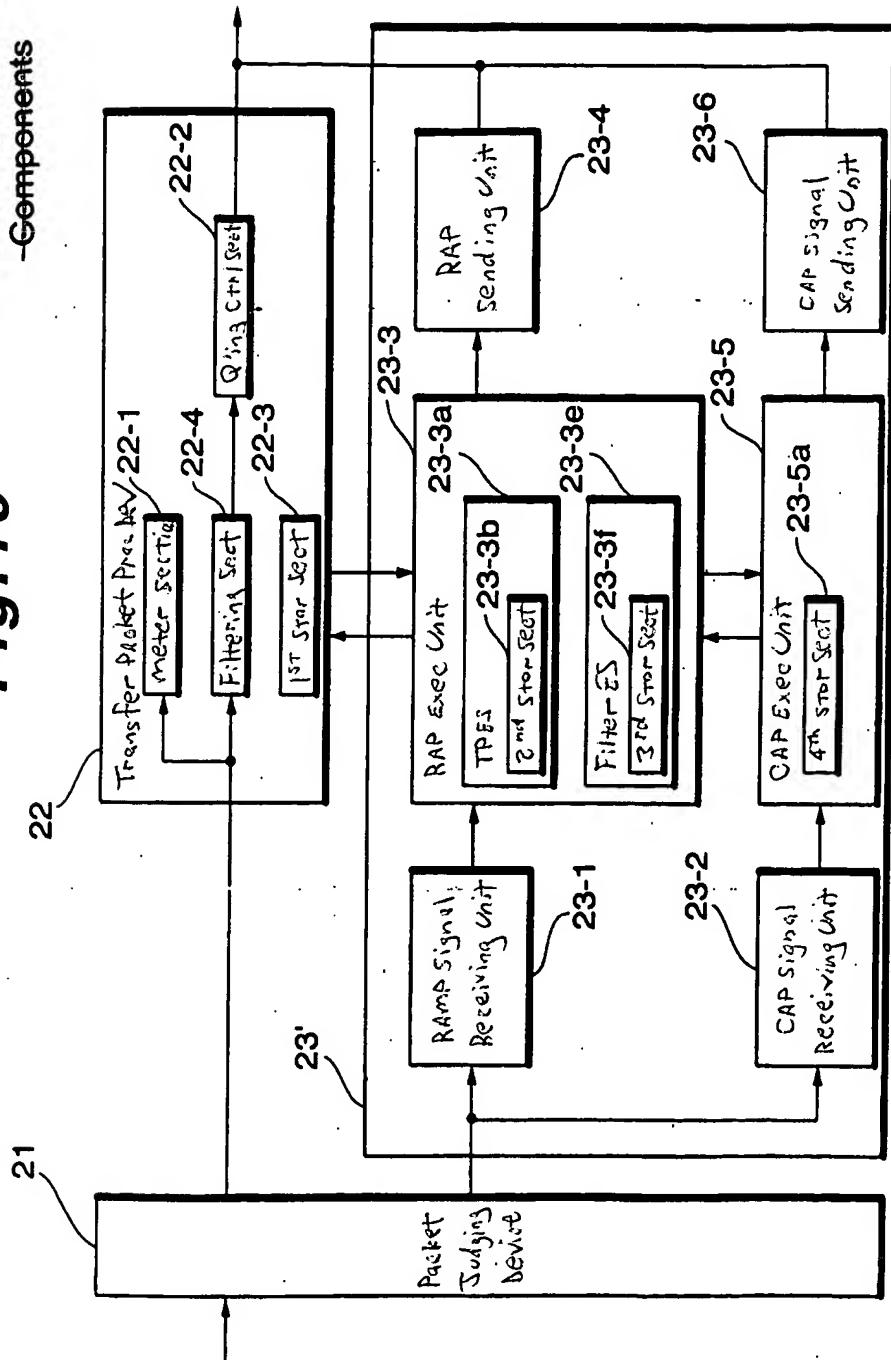


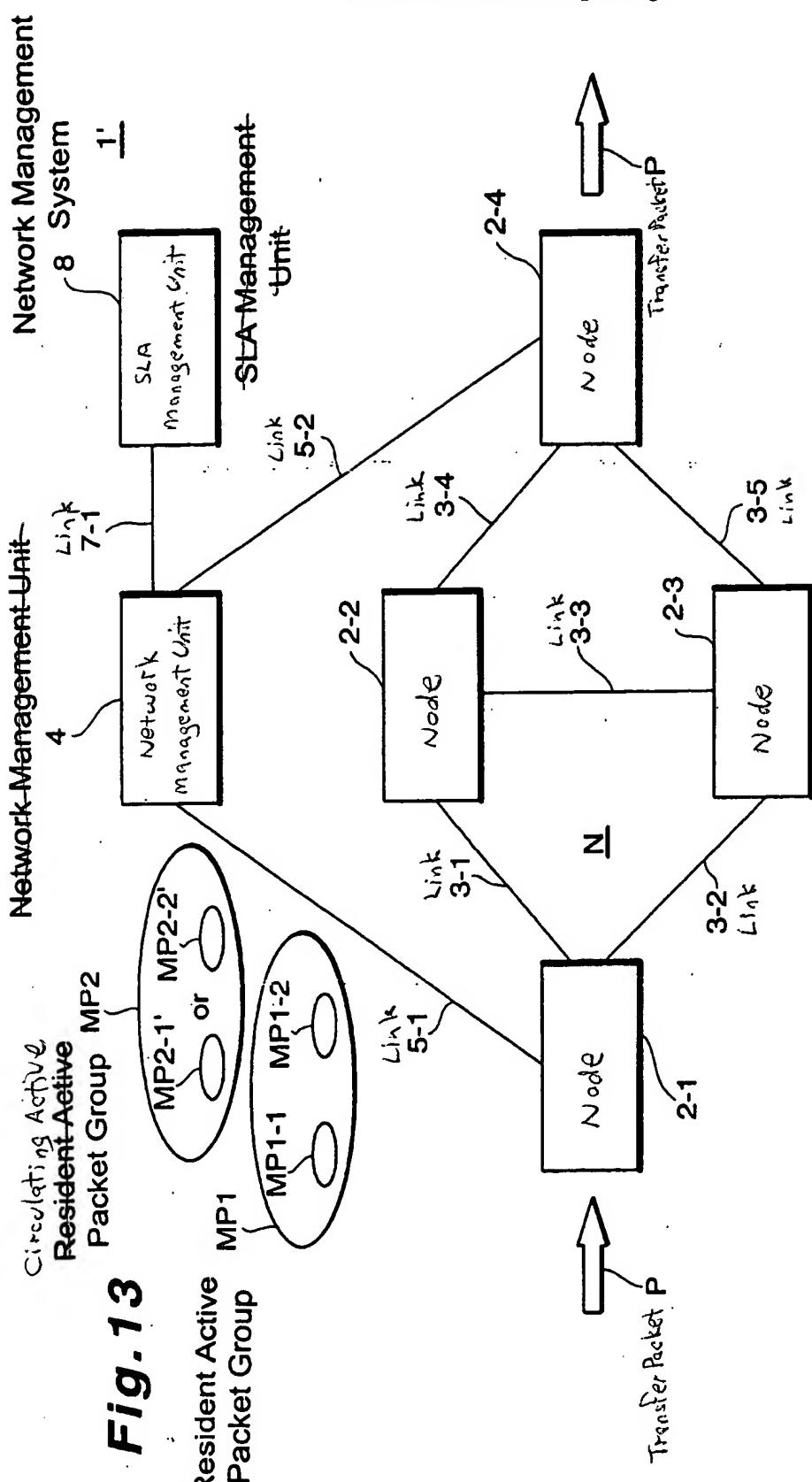
Fig. 11**[Table 7]**

Check item	Value for check item exceeds maximum threshold value	Value of check item equal to maximum threshold value	Value of check item is minimum threshold value or less
	Transfer packet is abandoned	Transfer packets are abandoned at designated frequency	Transfer packets are abandoned depending on values of check item
~72	~71a	~71b	~71c
~71	All transfer packets are abandoned starting from packet having lower precedence	Transfer packets are abandoned starting from packet having lower precedence at designated frequency	Transfer packets are abandoned starting with packet having lower precedence, depending on average frequency of queuing as value of check item
~76	~76a	~76b	~76c
~76	Second option (Average frequency of queuing control section of predetermined transfer packet)	All predetermined transfer packets P are abandoned	Predetermined transfer packet is abandoned by designated frequency
~77	~77a	~77b	~77c
~77	Third option (Contents provided in second option + precedence of predetermined transfer packets P)	All packets P having lower precedence are abandoned	Predetermined transfer packet P is abandoned starting with packet having lower precedence with designated frequency
~78	~78a	~78b	~78c
			~78d

Fig. 12**[Table 8]**

8

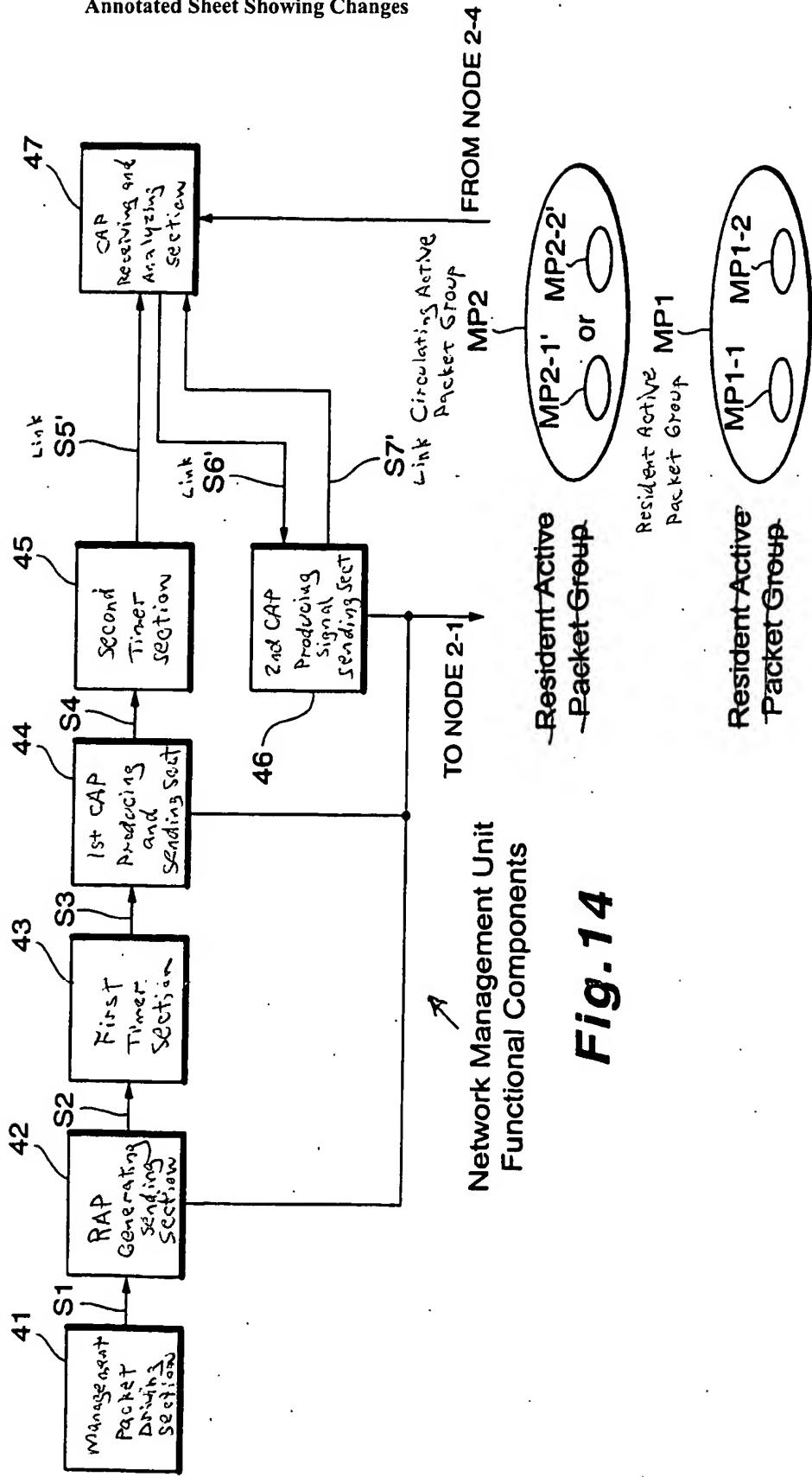
Check item	Value for check item exceeds maximum threshold value ~82	Value of check item equal to maximum threshold value ~83	Value of check item is minimum threshold value or more and maximum threshold or less ~84	Value of check is minimum threshold value or less ~85
Average transmission rate in traffics of transfer packet in node	Transfer packet is abandoned ~82	Transfer packets are abandoned at designated frequency ~83	Transfer packets are abandoned depending on values of check item ~84	Transfer packets are not abandoned ~85
Fourth option (Above check item + precedence of transfer packet)	All transfer packets are abandoned starting from packet having lower precedence ~81	All transfer packets are abandoned starting from packet having lower precedence at designated frequency ~81a	Transfer packets are abandoned starting with packet having lower precedence, depending on average frequency of queuing as value of check item ~81b	Not transfer packets are abandoned ~81d
~86	All predetermined transfer packets P are abandoned ~86a	Predetermined transfer packet P is abandoned by designated frequency ~86b	Predetermined transfer packet is abandoned depending on value of check item ~86c	No predetermined transfer packet P is abandoned ~86d
Fifth option (Average transmission rate in traffics of predetermined packet in node)	All predetermined transfer packets P are abandoned ~87	Predetermined transfer packet P is abandoned starting with packet having lower precedence with designated frequency ~87a	Predetermined transfer packet is abandoned starting with packet having lower precedence ~87b	Predetermined transfer packet P is abandoned starting with packet having lower precedence and depending on value of check item ~87c
Sixth option (Fifth option + precedence of predetermined transfer packet P)	All packets P having lower precedence are abandoned ~88	Predetermined transfer packet is abandoned starting with packet having lower precedence ~88a	Predetermined transfer packet P is abandoned starting with packet having lower precedence and depending on value of check item ~88b	No predetermined transfer packet P is abandoned ~88c
				~88d



Key

- MP1-1:** Tracing Processing Packet
- MP1-2:** SLA management packet
- MP2-1:** Information Collecting Packet
- MP2-2:** Congestion Avoiding Packet

Annotated Sheet Showing Changes

**Fig. 14**Network Management Unit
Functional ComponentsKey

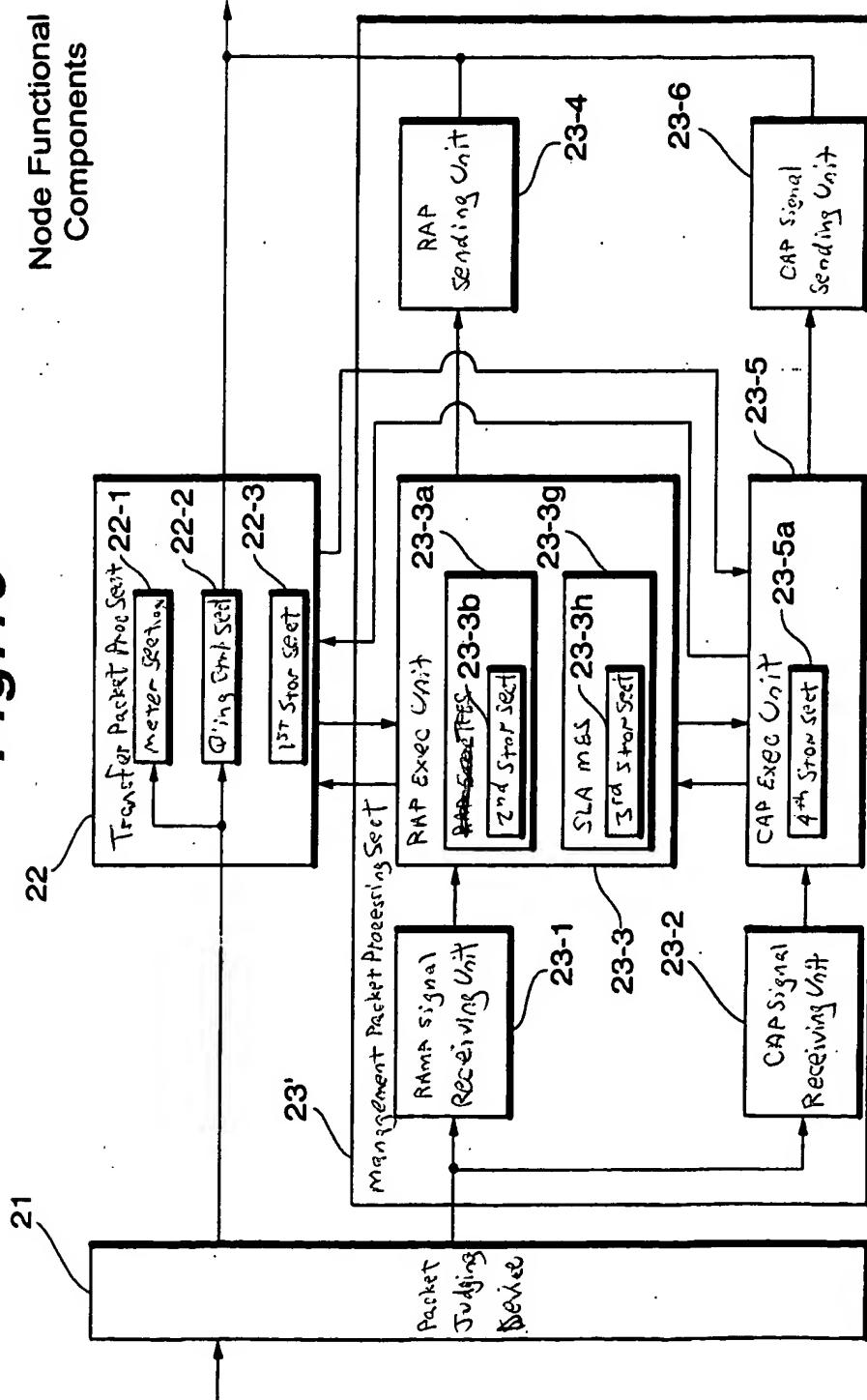
MP1-1: Tracing Processing Packet

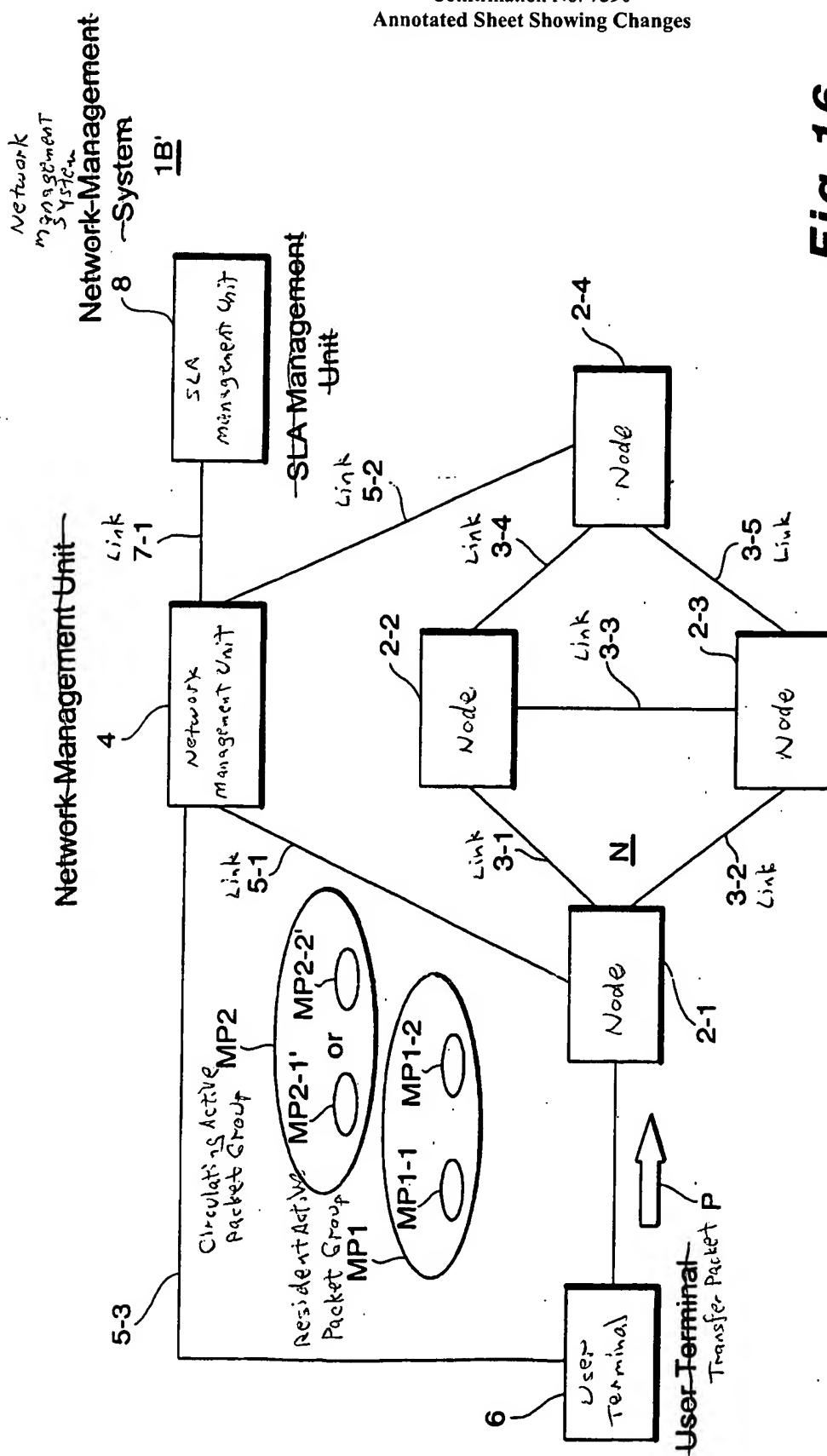
MP1-2: Filtering Packet

MP2-1: Tracing Processing Packet

MP2-2: Information Collecting Packet

Fig. 15



**Fig. 16**

Key

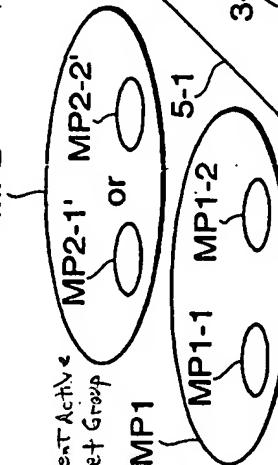
- MP1-1: Traffic Processing Packet
- MP1-2: SLA management Packet
- MP2-1: Information Collecting Packet
- MP2-2: Congestion Avoiding Packet

Circulating
Resident Active
Packet Group

Fig. 17

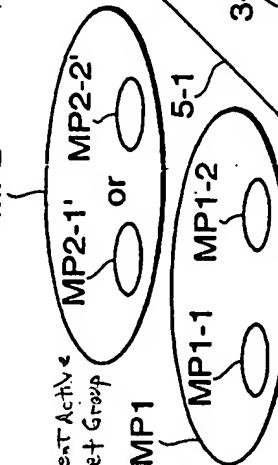
Resident Active
Packet Group

MP2



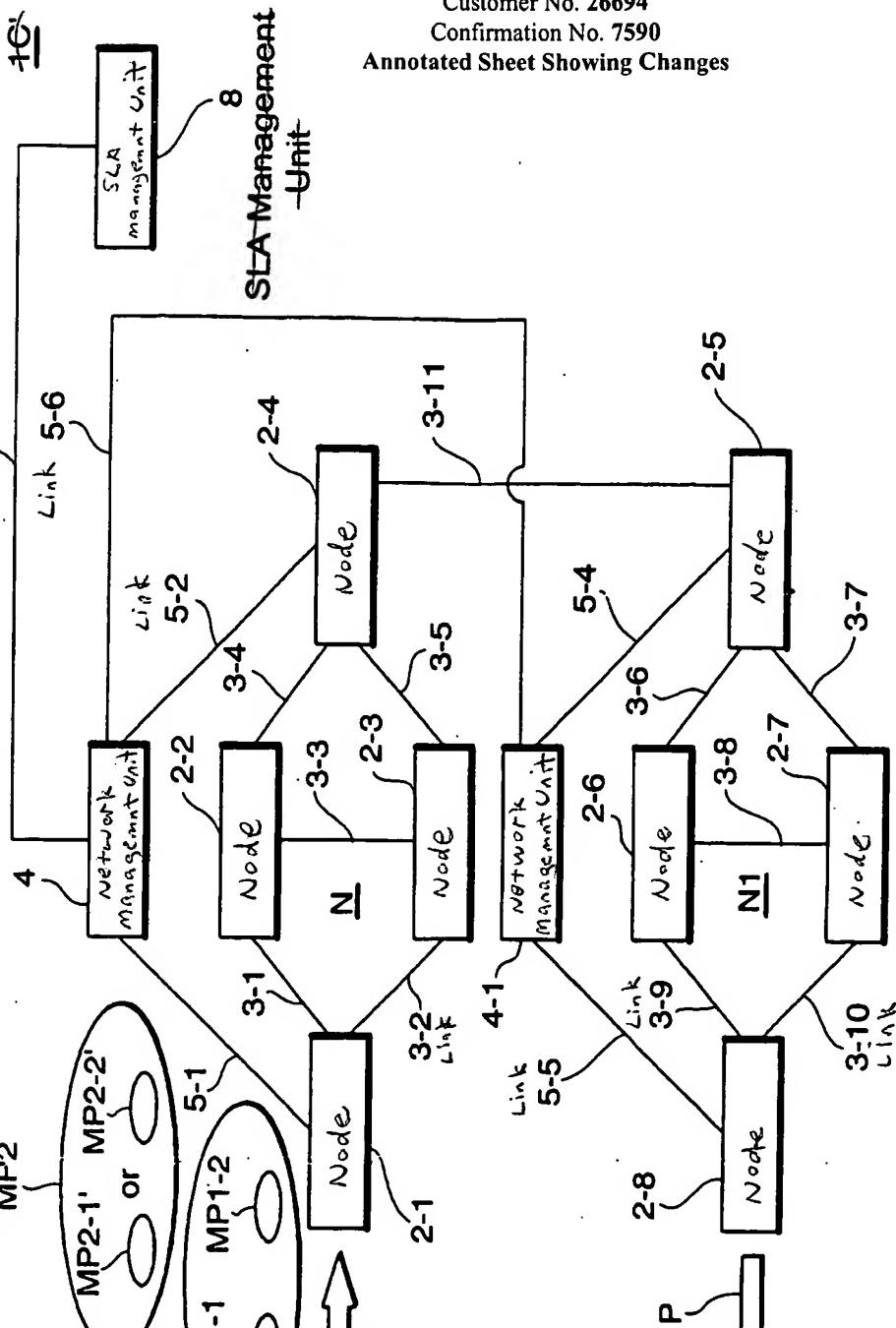
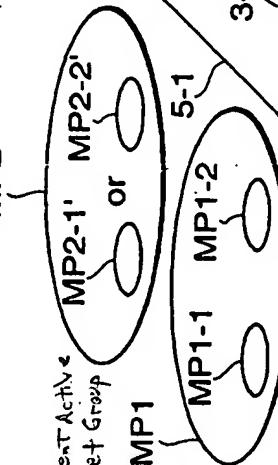
Resident Active
Packet Group

MP1



Resident Active
Packet Group

MP2



Key

MP1-1: Tracing Processing Packet

MP1-2: SLA management Packet

MP2-1: Information Collections Packet

MP2-2: Congestion Avoiding Packet